|-> RESET

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| NLOGIT 5 (tm) Nov 16, 2016, 03:12:42PM |

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| Plainview, New York 11803 |

| Registered to Joanna Karavolias |

| University of Florida |

| Registration Number 1206-0012703-LSL |

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-------Initializing NLOGIT Version 5 (May 1, 2012)--------

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|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_Monsanto.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 63 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

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Normal exit: 5 iterations. Status=0, F= 3560.473

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Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3560.47328

Estimation based on N = 3627, K = 6

Inf.Cr.AIC = 7132.9 AIC/N = 1.967

Model estimated: Nov 16, 2016, 15:15:35

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -3933.6760 .0949 .0935

Response data are given as ind. choices

Number of obs.= 3690, skipped 63 obs

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| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -1.60760\*\*\* .08343 -19.27 .0000 -1.77112 -1.44407

FAM| -.32965\*\*\* .06255 -5.27 .0000 -.45225 -.20705

PUB| -.93843\*\*\* .06942 -13.52 .0000 -1.07450 -.80236

SEED| .17254\*\*\* .04885 3.53 .0004 .07679 .26829

P| -1.52113\*\*\* .09400 -16.18 .0000 -1.70536 -1.33690

A| -3.68011\*\*\* .18577 -19.81 .0000 -4.04421 -3.31602

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Line search at iteration 3 does not improve fn. Exiting optimization.

With < 4 iterations, this may not be a good solution to the

optimization. (The log-likelihood is flat.) Try refitting

with ;Output=3 and examining the derivatives.

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3931.47003

Restricted log likelihood -3984.66677

Chi squared [ 11 d.f.] 106.39349

Significance level .00000

McFadden Pseudo R-squared .0133504

Estimation based on N = 3627, K = 11

Inf.Cr.AIC = 7884.9 AIC/N = 2.174

Model estimated: Nov 16, 2016, 15:17:30

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -3984.6668 .0134 .0119

Constants only -3933.6760 .0006-.0010

At start values -8164.5887 .5185 .5177

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 63 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| 1.09569 4.38772 .25 .8028 -7.50409 9.69546

FAM| -.04542 1.54322 -.03 .9765 -3.07007 2.97923

PUB| .53991 3.07111 .18 .8604 -5.47935 6.55918

SEED| -1.03663\*\* .52686 -1.97 .0491 -2.06924 -.00401

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -.43622\*\*\* .04977 -8.76 .0000 -.53378 -.33867

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| 3.67028 15.11121 .24 .8081 -25.94715 33.28772

NsFAM| .01232 .64553 .02 .9848 -1.25289 1.27754

NsPUB| .00589 3.19298 .00 .9985 -6.25223 6.26400

NsSEED| .03489 .38952 .09 .9286 -.72855 .79833

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| 17.6936\* 10.03664 1.76 .0779 -1.9779 37.3650

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -.02274 60.48049 .00 .9997 -118.56233 118.51684

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .00787 .66956 .01 .9906 -1.30444 1.32019

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_emotional.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 81 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

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Normal exit: 5 iterations. Status=0, F= 3417.815

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Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3417.81532

Estimation based on N = 3609, K = 6

Inf.Cr.AIC = 6847.6 AIC/N = 1.897

Model estimated: Nov 16, 2016, 15:17:49

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -3918.8576 .1279 .1265

Response data are given as ind. choices

Number of obs.= 3690, skipped 81 obs

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| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -2.04427\*\*\* .08590 -23.80 .0000 -2.21263 -1.87592

FAM| -.89012\*\*\* .06592 -13.50 .0000 -1.01932 -.76092

PUB| -1.39036\*\*\* .07196 -19.32 .0000 -1.53139 -1.24933

SEED| .17350\*\*\* .05051 3.43 .0006 .07450 .27250

P| -1.51286\*\*\* .09653 -15.67 .0000 -1.70206 -1.32366

A| -4.00492\*\*\* .19721 -20.31 .0000 -4.39145 -3.61839

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Line search at iteration 82 does not improve fn. Exiting optimization.

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3411.03011

Restricted log likelihood -3964.89175

Chi squared [ 11 d.f.] 1107.72329

Significance level .00000

McFadden Pseudo R-squared .1396915

Estimation based on N = 3609, K = 11

Inf.Cr.AIC = 6844.1 AIC/N = 1.896

Model estimated: Nov 16, 2016, 15:25:17

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -3964.8917 .1397 .1384

Constants only -3918.8576 .1296 .1283

At start values -8285.9864 .5883 .5877

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 81 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| 1.29720\*\*\* .09102 14.25 .0000 1.11880 1.47559

FAM| .63449\*\*\* .06289 10.09 .0000 .51123 .75775

PUB| 1.09802\*\*\* .18143 6.05 .0000 .74242 1.45361

SEED| -.07358\* .03806 -1.93 .0532 -.14817 .00102

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -4.83305\*\*\* .40818 -11.84 .0000 -5.63307 -4.03303

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .02468 .39827 .06 .9506 -.75591 .80526

NsFAM| .68740\*\*\* .13036 5.27 .0000 .43190 .94289

NsPUB| .92351\*\* .39692 2.33 .0200 .14556 1.70146

NsSEED| .23515\*\* .09611 2.45 .0144 .04677 .42352

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| 0.0 .5929D+11 .00 1.0000 -.11621D+12 .11621D+12

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -1.23026 .6562D+24 .00 1.0000 \*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .67231 .5647D+12 .00 1.0000 \*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*

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Note: nnnnn.D-xx or D+xx => multiply by 10 to -xx or +xx.

Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_simple.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 81 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3433.379

-----------------------------------------------------------------------------

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3433.37897

Estimation based on N = 3609, K = 6

Inf.Cr.AIC = 6878.8 AIC/N = 1.906

Model estimated: Nov 16, 2016, 15:25:36

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -3913.5139 .1227 .1213

Response data are given as ind. choices

Number of obs.= 3690, skipped 81 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -1.93791\*\*\* .08431 -22.99 .0000 -2.10315 -1.77267

FAM| -.81828\*\*\* .06507 -12.58 .0000 -.94581 -.69075

PUB| -1.40818\*\*\* .07225 -19.49 .0000 -1.54978 -1.26658

SEED| .06011 .04963 1.21 .2258 -.03715 .15737

P| -1.41585\*\*\* .09548 -14.83 .0000 -1.60299 -1.22871

A| -3.95892\*\*\* .19647 -20.15 .0000 -4.34399 -3.57384

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Normal exit: 77 iterations. Status=0, F= 3427.655

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3427.65517

Restricted log likelihood -3964.89175

Chi squared [ 11 d.f.] 1074.47315

Significance level .00000

McFadden Pseudo R-squared .1354984

Estimation based on N = 3609, K = 11

Inf.Cr.AIC = 6877.3 AIC/N = 1.906

Model estimated: Nov 16, 2016, 15:32:12

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -3964.8917 .1355 .1342

Constants only -3913.5139 .1241 .1228

At start values -8451.3622 .5944 .5938

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 81 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| 1.27143\*\*\* .09781 13.00 .0000 1.07973 1.46314

FAM| .60231\*\*\* .06031 9.99 .0000 .48411 .72051

PUB| .92681\*\*\* .07491 12.37 .0000 .77999 1.07364

SEED| .02425 .04261 .57 .5692 -.05926 .10776

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -4.97060\*\*\* .45427 -10.94 .0000 -5.86096 -4.08024

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .11263 .42367 .27 .7904 -.71774 .94300

NsFAM| .69017\*\*\* .14048 4.91 .0000 .41483 .96551

NsPUB| .03641 .33531 .11 .9135 -.62079 .69360

NsSEED| .32183\*\*\* .09266 3.47 .0005 .14022 .50344

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| .00089 1.12410 .00 .9994 -2.20230 2.20409

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -1.19462 14.79426 -.08 .9356 -30.19084 27.80160

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .67503 6.75171 .10 .9204 -12.55809 13.90814

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_benefit.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 108 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3420.944

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Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3420.94398

Estimation based on N = 3582, K = 6

Inf.Cr.AIC = 6853.9 AIC/N = 1.913

Model estimated: Nov 16, 2016, 15:32:31

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -3924.1502 .1282 .1269

Response data are given as ind. choices

Number of obs.= 3690, skipped 108 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -2.04439\*\*\* .08638 -23.67 .0000 -2.21369 -1.87508

FAM| -1.09732\*\*\* .06775 -16.20 .0000 -1.23010 -.96454

PUB| -1.47911\*\*\* .07352 -20.12 .0000 -1.62321 -1.33502

SEED| .21262\*\*\* .05230 4.07 .0000 .11012 .31513

P| -1.52691\*\*\* .09792 -15.59 .0000 -1.71883 -1.33499

A| -3.82802\*\*\* .20073 -19.07 .0000 -4.22145 -3.43459

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Normal exit: 55 iterations. Status=0, F= 3393.184

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3393.18367

Restricted log likelihood -3935.22922

Chi squared [ 11 d.f.] 1084.09110

Significance level .00000

McFadden Pseudo R-squared .1377418

Estimation based on N = 3582, K = 11

Inf.Cr.AIC = 6808.4 AIC/N = 1.901

Model estimated: Nov 16, 2016, 15:36:28

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -3935.2292 .1377 .1364

Constants only -3924.1502 .1353 .1340

At start values -7678.0086 .5581 .5574

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 108 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| 1.45287\*\*\* .14147 10.27 .0000 1.17561 1.73014

FAM| .95192\*\*\* .09085 10.48 .0000 .77387 1.12998

PUB| 1.93530\*\*\* .61133 3.17 .0015 .73712 3.13348

SEED| -.07812\* .04366 -1.79 .0736 -.16368 .00745

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -6.15694\*\*\* .68094 -9.04 .0000 -7.49156 -4.82232

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .71377\*\*\* .20063 3.56 .0004 .32054 1.10699

NsFAM| 1.28588\*\*\* .13861 9.28 .0000 1.01421 1.55754

NsPUB| 2.35980\*\* 1.00172 2.36 .0185 .39646 4.32313

NsSEED| .29568\*\*\* .07600 3.89 .0001 .14672 .44464

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| .00029 67.19151 .00 1.0000 -131.69265 131.69323

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -3.03453 5113.484 .00 .9995 \*\*\*\*\*\*\*\*\*\*\* 10019.20973

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| 1.24824 78.81646 .02 .9874 -153.22918 155.72567

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_control.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 63 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3449.066

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Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3449.06606

Estimation based on N = 3627, K = 6

Inf.Cr.AIC = 6910.1 AIC/N = 1.905

Model estimated: Nov 16, 2016, 15:36:47

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -3976.0154 .1325 .1312

Response data are given as ind. choices

Number of obs.= 3690, skipped 63 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -2.13942\*\*\* .08849 -24.18 .0000 -2.31285 -1.96598

FAM| -1.04989\*\*\* .06687 -15.70 .0000 -1.18095 -.91883

PUB| -1.55427\*\*\* .07417 -20.96 .0000 -1.69964 -1.40890

SEED| .16830\*\*\* .05284 3.19 .0014 .06473 .27187

P| -1.49220\*\*\* .09860 -15.13 .0000 -1.68546 -1.29895

A| -3.74156\*\*\* .20041 -18.67 .0000 -4.13435 -3.34877

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Normal exit: 56 iterations. Status=0, F= 3445.064

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3445.06448

Restricted log likelihood -3984.66677

Chi squared [ 11 d.f.] 1079.20457

Significance level .00000

McFadden Pseudo R-squared .1354197

Estimation based on N = 3627, K = 11

Inf.Cr.AIC = 6912.1 AIC/N = 1.906

Model estimated: Nov 16, 2016, 15:41:06

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -3984.6668 .1354 .1341

Constants only -3976.0154 .1335 .1322

At start values -7650.8800 .5497 .5490

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 63 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| 1.41899\*\*\* .13414 10.58 .0000 1.15608 1.68191

FAM| .76471\*\*\* .07298 10.48 .0000 .62166 .90776

PUB| 1.17028\*\*\* .19243 6.08 .0000 .79312 1.54744

SEED| -.06246 .04043 -1.54 .1223 -.14169 .01678

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -4.53883\*\*\* .43024 -10.55 .0000 -5.38209 -3.69557

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .34521 .33618 1.03 .3045 -.31368 1.00411

NsFAM| .69373\*\*\* .14600 4.75 .0000 .40758 .97988

NsPUB| .74722\* .38226 1.95 .0506 -.00199 1.49642

NsSEED| .25264\*\*\* .08971 2.82 .0049 .07680 .42848

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| .00988 .39909 .02 .9802 -.77233 .79209

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -1.22130 20.57989 -.06 .9527 -41.55715 39.11455

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .68190 2.02809 .34 .7367 -3.29308 4.65689

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

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